

**North Dakota State University Math-in-CTE Project
Teacher Consent Form--Mathematics Teacher**

You are invited to participate as a mathematics teacher in the Math-in-Career and Technical Education (CTE) research project. Please read this form and ask any questions you may have before agreeing to continue in the study.

Background Information:

The purpose of this study is to test whether high school students can learn mathematics in math enhanced CTE courses. This involves a new way of teaching math in the regular CTE curriculum.

Procedures:

If you agree to be in this study and your partner CTE teacher is selected to be in the experimental group, you will agree to do the following things:

Participate in the following videotaped professional development activities:

- Fall 2007, 3-day professional development session, 2-day professional development session.
- Spring 2008, 2 2-day professional development sessions.
- Summer 2008, 1-day professional development session.

Carry out the following instructional support responsibilities:

- Consult with your CTE teacher partner before he or she teaches each of the math-enhanced lessons.
- Within one week after consulting with your CTE partner, complete and submit a Pre-Teaching Report form.

Cooperate in the following data collection activities:

- Complete questionnaires about your teaching experience and attitudes.
- Participate in an interview or focus group at the end of the study.

If your partner CTE teacher is selected to be in the control group, you will not participate in the study.

Risks and Benefits of Being in the Study:

This study will test if explicit mathematics instruction in a CTE context increases students' understanding and performance on standardized tests. If your partner CTE teacher is selected to be in the experimental group, you will participate in professional development activities designed to enhance the teaching of mathematical concepts within occupational contexts. If the study procedures are successful, you will have learned how to assist CTE teachers incorporate mathematical concepts so that their students increase their understanding of these concepts and their applications.

If your CTE partner is selected for the experimental group, you will receive an honorarium of \$720 for participating in this study, and all travel, food, lodging costs, and substitute pay associated with participating in the professional development workshops will be reimbursed.

Confidentiality:

The records of this study will be kept private. Professional development activities will be videotaped for the purpose of documentation of the study. Interviews and focus groups will be audiotaped and transcribed. As names and videotapes will be collected, the raw data will not be anonymous. Confidentiality, however, will be promised in any report or publication. We will keep your name and data, as well as those of the students, completely anonymous and confidential. In any sort of report we might publish, we will not include any information that will make it possible to identify a subject.

Voluntary Nature of the Study:

Participation in this study is completely voluntary. Your decision whether or not to participate will not affect your current or future relations with the North Dakota State University. If you decide to participate, you are free to withdraw at any time, but your honorarium will be pro-rated for the time that you did participate.

Contacts and Questions:

The researchers conducting this study are Assistant Professors at North Dakota State University. If you have questions, you may contact Dr. Brent Young at brent.young@ndsu.edu; phone: (701) 231-7439 or Dr. Mari Borr at mari.borr@ndsu.edu; phone: (701) 231-7968. If you have any questions or concerns regarding the rights of research participants or to report a problem, contact the NDSU IRB at ndsu.irb@ndsu.edu; phone: (701) 231-8908.

Please make and keep a copy of this form to keep for your records.

Statement of Consent:

I have read the above information. I have asked questions and have received answers. I consent to participate in the study.

Printed name

Signature

Date _____